

SPLIT 2 3

Work Order ID 70759

Tuesday, June 14, 2011 1:58:50 PM



Page 1

Item ID: D4387-041

Revision ID:

Item Name: Harness Assembly

Start Date: 6/14/2011 Start Qty: 42.00

Required Date: 6/17/2011 Req'd Qty: 42.00

Reference: NCR11-644

Approvals: Process Plan:

QC:

Date:

Date:

Tooling:

SPC (Y/N):

Date:

Date:

Run Start

Stop

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

Draw Nbr

Revision Nbr

D4387

A U/R

Rev B

100

0.00



Purchasing

PURCHASING

Memo

0.00

Issue P/O:

17284

AMSAFE TO REWORK PER NCR11-644 - SHOULDER STRAP LOOPS ARE
TOO SMALL AND NEED TO BE REPLACED
NEW C OF C REQUIRED
P/N:4192-1-011-2396

Possible supplier: Amsafe

Certificate of conformaty is required

110

Receive & Inspect for Damage & Mat'l Certs

0.00



Packaging

Memo

0.00

Packaging

Ensure certificate of conformity is attached



Setup Start

Stop



Cust Item ID:

Customer:



CL

11/06/14

(12)

Rev 9/30

(14)

Work Order ID 70759

Tuesday, June 14, 2011 1:58:50 PM

Page 2



Accept



Setup Start



Stop



Item ID: D4387-041

Revision ID:

Item Name: Harness Assembly

Start Date: 6/14/2011 Start Qty: 42.00

Required Date: 6/17/2011 Req'd Qty: 42.00

Reference: NCR11-644

Cust Item ID:

Customer:



Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start



Stop



QC:

Date:

SPC (Y/N):

Date:

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

120



QC

Quality Control

QC5- Inspect part completeness to step on W/O

0.00

Memo

0.00

8/11/06/30
to Rev B Drawing

(X)

150



Packaging

Packaging

Identify as per dwg & Stock Location: 283

0.00

Memo

0.00

RE-IDENTIFY USING NEW B/N

8/11/06/30 (4)

160



QC

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

CK 8/11/06/30

8/11/06/30

Picklist Print

Tuesday, June 14, 2011 1:58:47 PM

Page 1

Work Order ID: 70759

Parent Item: D4387-041

Parent Item Name: Harness Assembly





Start Date: 6/14/2011

Required Date: 6/17/2011

Start Qty: 42.00

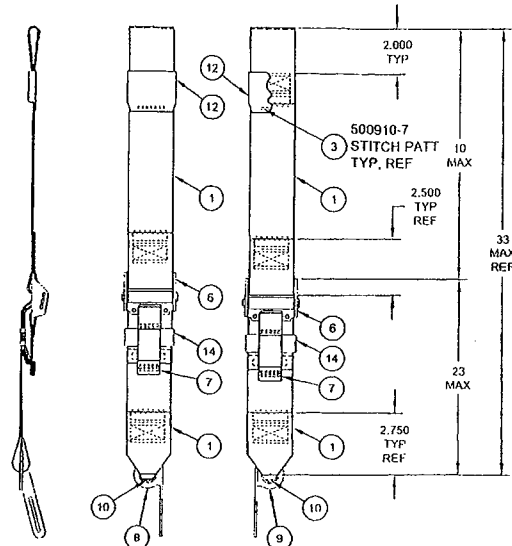
Required Qty: 42.00

Comments: IPP rev A 11.05.25 new issue EC verified by: DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D4387-041  Harness Assembly		Manufactured	No				Each	0.0000		42			

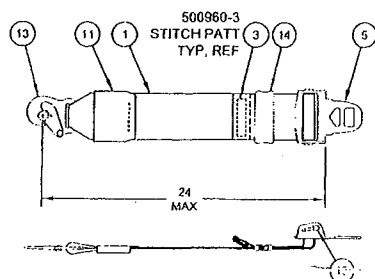
Rec'd 6/14/2011 (4)

SPECIFICATION CONTROL DRAWING

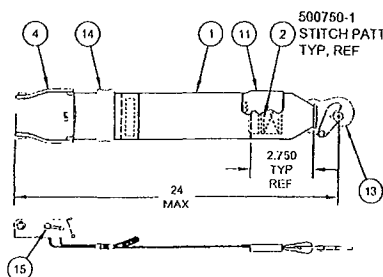


D4387-7

D4387-5



D4387-3



D4387-1

D4387-041 HARNESS ASSEMBLY

ITEM	QTY	QTY	QTY	QTY	QTY	DART P/N	DESCRIPTION	AMSAFE P/N OR MATERIAL P/N
1	-041	-1	-3	-5	-7	D4387-041	HARNESS ASSEMBLY	4192-1-011-2396
1	X					D4387-1	BUCKLE HALF	4192-2010112396
1			X			D4387-3	CONNECTOR HALF	4192-2030112396
1				X		D4387-6	SHOULDER STRAP	4192-2050112396
1					X	D4387-7	SHOULDER STRAP	4192-2060112396
1		A/R	A/R	A/R	A/R		WEBBING, POLYESTER	T1200-5
2		A/R	A/R	A/R	A/R		THREAD	207
3		A/R	A/R	A/R	A/R		THREAD	69
4		1					BUCKLE ASSY	502760-401
5			1				CONNECTOR ASSY	504459-417-72
6				1	1		ADJUSTER ASSY	503050-409
7				1	1		PULL TAB	500976-425
8				1	1		ADAPTER, HARNESS	505122-2-72
9				1	1		ADAPTER, HARNESS	505122-1-72
10				1	1		INSERT	AFG0558293
11		1	1				LABEL	447684
12				1	1		LABEL	447684
13		1	1	1	1		HOOK ASSY	502737-441-72
14		1	1	1	1		WEB SLIDE	503964-1
15		2	2				PLUG	502913

NOTES:

1) PURCHASE: D4387-041/-1/-3/-5/-7 FROM AMSAFE INC., Phoenix, AZ.

2) FINISH: N/A

3) TOLERANCES: .XXX ±0.250

4) UNITS: INCHES UNLESS OTHERWISE NOTED

5) BREAK SHARP EDGES: N/A

6) IDENTIFICATION: USE PLASTIC ENGRAVED TAGS AND LABEL PER FAR 21.607 TO CONTAIN THE FOLLOWING AT MINIMUM:

MANUFACTURER P/N: 4192-1-011-2396

CUSTOMER P/N: D4387-041

DATE OF MFG

CONFORMS TO FAA TSO-C114

7) WEIGHT: 1.75 lb

8) INDICATED DIMS ARE FULLY EXTENDED LENGTHS

RELEASED
2011-05-15

UNDER REVIEW

100-070 D4387-041
Rev. 002 R-644

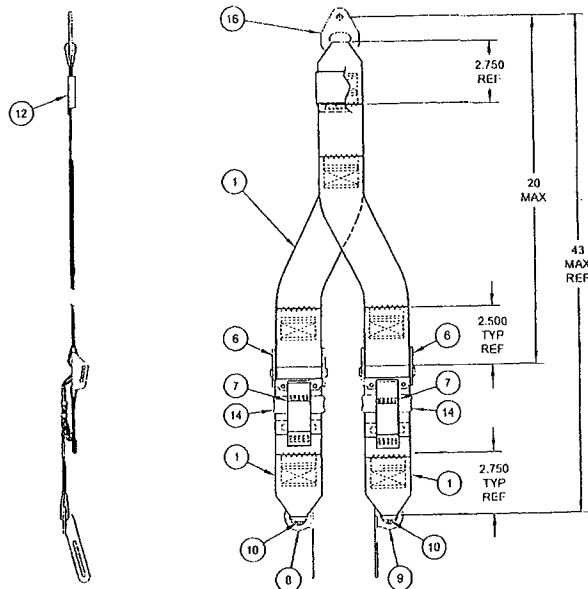
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REV.	DESCRIPTION	BY	DATE	
DESIGN				
DRAWN				
CHECKED				
MFG. APPR.				
APPROVED				
DE APPR.				
DATE	11.05.02			

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

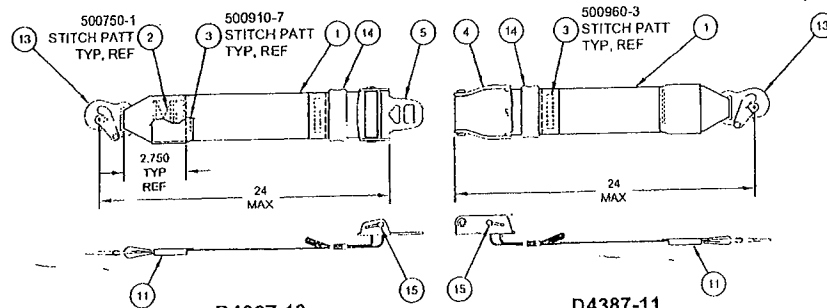
DRAWING NO. REV. A
D4387 SHEET 1 OF 2
TITLE SCALE
HARNESS ASSEMBLY NTS

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SPECIFICATION CONTROL DRAWING



D4387-9



D4387-13

D4387-11

D4387-043 HARNESS ASSEMBLY

ITEM	QTY -043	QTY -9	QTY -11	QTY -13	DART P/N	DESCRIPTION	AMSAFE P/N OR MATERIAL P/N
	X				D4387-043	HARNESS ASSY: EMPLY	4173-2-021-2396
1		X			D4387-9	SHOULDER SLIDE	4173-2110212396
2			X		D4387-11	BUCKLE HALF	4173-2070212396
3				X	D4387-13	CONNECTOR HALF	4173-2090212396
1		A/R	A/R	A/R		WEBBING, POLYESTER	T1200-5
2		A/R	A/R	A/R		THREAD	207
3		A/R	A/R	A/R		THREAD	69
4			1			BUCKLE ASSY	502750-401
5				1		CONNECTOR ASSY	504459-417-72
6		2				ADJUSTER ASSY	503050-409
7		2				PULL TAB	500976-425
8		1				ADAPTER, HARNESS	505122-2-72
9		1				ADAPTER, HARNESS	505122-1-72
10		2				INSERT	AFG0568293
11			1	1		LABEL	447884
12						LABEL	447884
13		2	1	1		HOOK ASSY	502737-441-72
14			1	1		WEB SLIDE	503964-1
15			2	2		PLUG	502913
16		1				END FITTING	501743-21-72

NOTES:

- 1) PURCHASE: D4387-043/-9/-11/-13 FROM AMSAFE INC., Phoenix, AZ.
- 2) FINISH: N/A
- 3) TOLERANCES: XXX ±0.250
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: USE PLATIC ENGRAVED TAGS AND LABEL PER FAR 21.607 TO CONTAIN THE FOLLOWING AT MINIMUM:
MANUFACTURER P/N: 4173-2-021-2396
CUSTOMER P/N: D4387-043
DATE OF MFG
CONFORMS TO FAA TSO-C114
- 7) WEIGHT: 1.85 lb
- 8) INDICATED DIMS ARE FULLY EXTENDED LENGTHS

RELEASED
2011-05-15

UNDER REVIEW

U.06.03 0 D4387-043 OK.
PDR NCR 11-644

DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		D4387	SHEET 2 OF 2
APPROVED		TITLE	SCALE
DE APPR.		HARNESS ASSEMBLY	NTS
DATE	11.05.02	COPYRIGHT © 2011 BY DART AEROSPACE LTD THIS DOCUMENT IS PRELIMINARY AND FOR REVIEW PURPOSES ONLY. IT IS NOT TO BE USED FOR ANY PURPOSE OR FOR ANY OTHER PERSON OR ENTITY WITHOUT THE WRITTEN PERMISSION OF DART AEROSPACE LTD.	

Linda Lacelle

From: Sian Willems <swillems@dartaero.com>
Sent: June 14, 2011 1:42 PM
To: llacelle@dartaero.com
Cc: Marc Bellavance; Melanie Fauteux; Chantal Lavoie; Susanne Sheldon
Subject: PO for Amsafe NCR11-644

Hiya,

Can you please open a custom work order for the following:

Return qty. 42 D4387-041 4 point shoulder harnesses (Amsafe p/n 4192-1-011-2396) to Amsafe for rework. Per NCR11-644, the shoulder straps loops are too small and need to be replaced.

We are returning to Amsafe: ~~20781~~
Qty. 15 D4387-041 (Amsafe 4191-1-011-2396) from DAS PO13994 (Amsafe S209243)
Qty. 27 D4387-041 (Amsafe 4191-1-011-2396) from DAS PO13987 (Amsafe S209100)

Parts should be returned to by the end of this week. Please send the PO to Tom Hodgdon.

We also have another 9 belts still out in the field. We'll be issuing RA's for these to be returned to Dart. How do we ensure the same process is completed for these?

Thanks,

Sian Willems

Marketing
T: 1-613-632-5200 ext 239
F: 1-613-632-5246
C: 1-613-676-0577
swillems@dartaero.com



Product Documentation: Verify Revision Status/Download [HERE](#)



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO14284**

Purchase Order Date 6/14/2011
PO Print Date 6/14/2011

Page Number 1 of 1

VU-AMS001

85072-3075

602 850 2850
602 850 2812

br

Buyer Chantal Lavoie
Requisition Nbr
Tax Resale Nbr 10127-2607
Terms Net 30
Currency USD
FOB Destination-Collect

DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

CL 11/06/15

Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
-2396 ✓	4-point Restraint, Separate Shoulder Straps	6/20/2011	42.00	FedEx PI collect	\$22.0000	\$924.00
		-- Yes	Each			

CL 11/06/15

CL 11/06/15

11/4/20

Special Inst: SHOULDER STRAP LOOPS ARE TO
SMALL AND NEED
TO BE REPLACED AS PER NCR11-644
B70759

PO Total:

\$924.00

CERTIFICATE OF CONFORMITY
REQ'D UPON DELIVERY

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

Change Date: 6/14/2011

AMSAFE**AMSAFE AVIATION**

1043 NORTH 47th AVENUE

PHOENIX, AZ 85043

PH (602)850-2850 FAX (602)850-2812

SHIPPER/CERTIFICATION

CUSTOMER NO.
10006113

SALES ORDER NO.
2011-446

BOL NO.
000237594

DATE PRINTED
06/29/11

PAGE NO.
1

DART AEROSPACE
1270 ABERDEEN STREET
HAWKESBURY
ONTARIO, CANADA K6A 1K7
Canada

DART AEROSPACE LTD.
1270 ABERDEEN ST
HAWKSBURY,, ON K6A 1K7
Canada

Ship to ID: 10006125

CUSTOMER ORDER NO.
PO14284

TERMS
NET30

FREIGHT
COLLECT

SHIP VIA
FED EX P1

F.O.B.
ORIGIN

Sales Order Remarks: 1517-9324-0

Remarks:

SHIPMENT REFERENCE 000237594

LINE	ITEM NUMBER / DESCRIPTION	DRAWING AND CERTIFICATIONS	DUE DATE	QTY ORDERED	QTY SHIPPED	QTY BACK ORDERED
2	4192-1-011-2396 REST SYS ASSY	DRAWING: 4192 REV: D CERT: TSO-C114 Lot/Serial Numbers Shipped Quantity 2011-446-2 CRO # 42686	2011-06-29	4 Expire Ref.	4 4	0

8/16/30

I certify that the article(s) listed above conform to all applicable design data, and (as applicable):
FAA PMA, FMVSS 209, FMVSS 302, 14 CFR 25.853

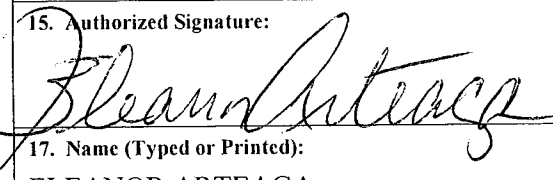
FAA TSO C22f, C22g, C114 or TSO Plus

The conditions and tests required for TSO approval of the article(s) are minimum performance standards. It is the responsibility of those installing the article(s) either on or within a specific type or class of aircraft to determine that the aircraft installation conditions are within the standards applicable to the TSO article including (when applicable) the integrated non-TSO function. The non-TSO function is described as the seat belt airbag system including the inflator cable assembly and electrical components that have not been evaluated for functionality or installation requirements. TSO articles including the integrated non-TSO function must have separate approval for installation in an aircraft. The article(s) may be installed only if performed under 14 CFR part 43 or the applicable airworthiness requirements. Product shipped meets all material, processing and test requirements. Certifications/Test reports as applicable are retained on file at AmSafe Aviation.

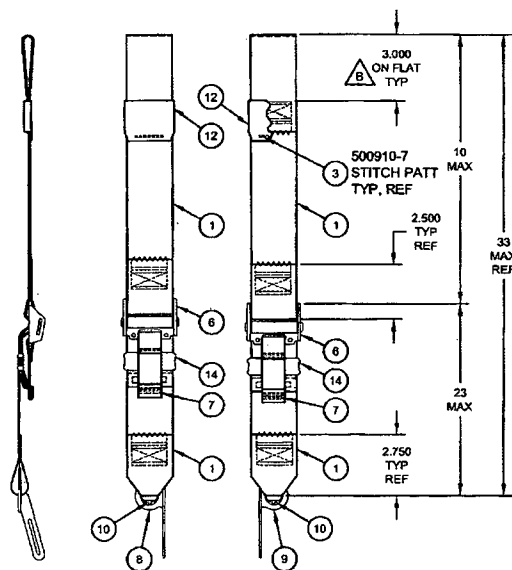
AmSafe Authorized Signature: X

Printed Name:

Louana Ramirez
*Louana Ramirez*Dated: 1/1/11**COUNTRY OF ORIGIN USA**

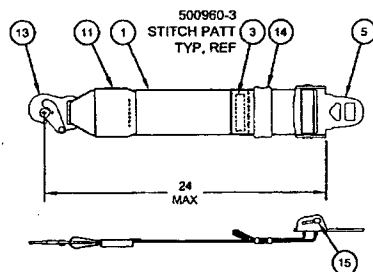
1. Approving National Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG				3. Form Tracking Number: 2011-446-2-EA	
4. Organization Name and Address: AMSAFE, INC 1043 NORTH 47 TH AVE PHOENIX, AZ. 85043 <div style="text-align: right;">PT1967NM</div>						5. Work Order/Contract/Invoice Number: 2011-446-2 0 PAGES ATTACHED	
6. Item:	7. Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:	
1	REST SYS ASSY	4192-1-011-2396	N/A	4	A0511	NEW	
13. Remarks: DRAWING: 4192 REV: D TSO: C114 EXPORT AIRWORTHINESS APPROVAL: THIS ARTICLE MEETS THE SPECIAL REQUIREMENTS OF CANADA							
14. Certifies the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 13.				19. <input type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 13 Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
15. Authorized Signature: 		16. Approval/Authorization No.: ODA 602112NM		20. Authorized Signature: <div style="border: 1px solid black; height: 40px; width: 100%;"></div>		21. Approval/Certificate No.: <div style="border: 1px solid black; height: 40px; width: 100%;"></div>	
17. Name (Typed or Printed): ELEANOR ARTEAGA		18. Date (m/d/y): JUN/29/2011		22. Name (Typed or Printed): <div style="border: 1px solid black; height: 40px; width: 100%;"></div>		23. Date (m/d/y): <div style="border: 1px solid black; height: 40px; width: 100%;"></div>	
User/Installer Responsibilities							
<p>It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.</p> <p>Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1.</p> <p>Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.</p>							

SPECIFICATION CONTROL DRAWING

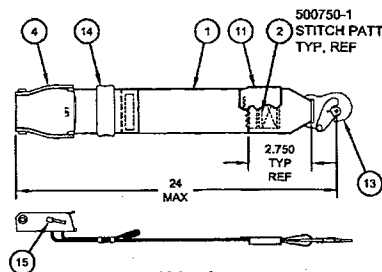


D4387-7

D4387-5



D4387-3



D4387-1

D4387-041 HARNESS ASSEMBLY

REFERENCE ONLY

ITEM	QTY -041	QTY -1	QTY -3	QTY -5	QTY -7	DART P/N	DESCRIPTION	AMSAFE P/N OR MATERIAL P/N
	X					D4387-041	HARNESS ASSEMBLY	4192-1-011-2396
1		X				D4387-1	BUCKLE HALF	4192-2010112396
1			X			D4387-3	CONNECTOR HALF	4192-2030112396
1				X		D4387-5	SHOULDER STRAP	4192-2050112396
1					X	D4387-7	SHOULDER STRAP	4192-2060112396
1	A/R	A/R	A/R	A/R	A/R		WEBBING, POLYESTER	T1200-5
2		A/R	A/R	A/R	A/R		THREAD	207
3		A/R	A/R	A/R	A/R		THREAD	69
4	1						BUCKLE ASSY	502750-401
5			1				CONNECTOR ASSY	504459-417-72
6				1	1		ADJUSTER ASSY	503050-409
7				1	1		PULL TAB	500976-425
8					1		ADAPTER, HARNESS	505122-2-72
9				1			ADAPTER, HARNESS	505122-1-72
10				1	1		INSERT	AFG0568293
11	1	1					LABEL	447664
12				1	1		LABEL	447664
13	1	1					HOOK ASSY	502737-441-72
14	1	1	1	1	1		WEB SLIDE	503964-1
15	2	2					PLUG	502813

NOTES:

- 1) PURCHASE: D4387-041/-1/-3/-5/-7 FROM AMSAFE INC., Phoenix, AZ.
- 2) FINISH: N/A
- 3) TOLERANCES: .XXX ±0.250
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: USE PLASTIC ENGRAVED TAGS AND LABEL PER FAR 21.607 TO CONTAIN THE FOLLOWING AT MINIMUM:
MANUFACTURER P/N: 4192-1-011-2396
CUSTOMER P/N: D4387-041
DATE OF MFG
CONFORMS TO FAA TSO-C114
- 7) WEIGHT: 1.75 lb
- 8) INDICATED DIMS ARE FULLY EXTENDED LENGTHS

RELEASED
2011-06-16

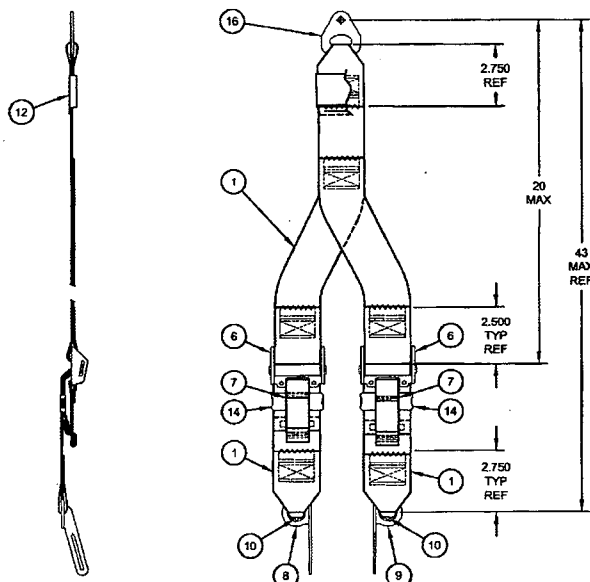
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A	NEW ISSUE (REF. CAR10-011)	MB	11.05.02
REV.	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	11.06.07		

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. REV. B
D4387 SHEET 1 OF 2
TITLE SCALE
HARNESS ASSEMBLY NTS

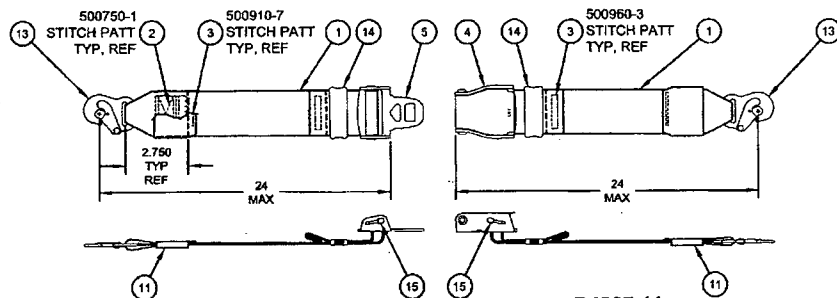
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SPECIFICATION CONTROL DRAWING



REFERENCE ONLY

D4387-9



D4387-13

D4387-11

D4387-043 HARNESS ASSEMBLY

ITEM	QTY -043	QTY -9	QTY -11	QTY -13	DART P/N	DESCRIPTION	AMSAFE P/N OR MATERIAL P/N
	X				D4387-043	HARNESS ASSEMBLY	4173-2-021-2396
1		X			D4387-9	SHOULDER STRAP	4173-2110212396
1			X		D4387-11	BUCKLE HALF	4173-2070212396
1				X	D4387-13	CONNECTOR HALF	4173-2090212396
1		A/R	A/R	A/R		WEBBING, POLYESTER	T1200-5
2		A/R	A/R	A/R		THREAD	207
3		A/R	A/R	A/R		THREAD	69
4			1			BUCKLE ASSY	502750-401
5				1		CONNECTOR ASSY	504459-417-72
6		2				ADJUSTER ASSY	503050-409
7		2				PULL TAB	500976-425
8		1				ADAPTER, HARNESS	505122-2-72
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11			1	1		LABEL	447664
12		1				LABEL	447664
13		2	1	1		HOOK ASSY	502737-441-72
14			1	1		WEB SUDE	503964-1
15			2	2		PLUG	502813
16		1				END FITTING	501743-21-72

NOTES:

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CUSTOMER P/N: D4387-043
DATE OF MFG
CONFORMS TO FAA TSO-C114
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- 8) INDICATED DIMS ARE FULLY EXTENDED LENGTHS

RELEASED
2011-06-16

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